



**MIAMI-DADE COUNTY**  
 BUILDING AND NEIGHBORHOOD COMPLIANCE  
 DEPARTMENT (BNC)  
 BOARD AND CODE ADMINISTRATION DIVISION

**MIAMI-DADE COUNTY**  
**PRODUCT CONTROL SECTION**

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474

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[www.miamidade.gov/building/home/asp](http://www.miamidade.gov/building/home/asp)

**NOTICE OF ACCEPTANCE (NOA)**

**Exarc Skylights, Inc.**  
**3793-B North Peachtree Road,**  
**Chamblee, GA. 30366**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Section and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Series "AFT-CAT 5" Aluminum Fixed Skylight-L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **Exarc002**, titled "AFT-CAT 5 Fixed Skylight", sheets 1 through 2 of 2, prepared by PTC, LLC, dated 12/09/10, signed and sealed by Robert J. Amoroso, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large Missile Impact Resistant**

**Limitation:** Max shim not to exceed 3/8" at side jambs.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises, renews and replaces** NOA # **05-0802.06 (G.E. Advance Mat'l)** and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

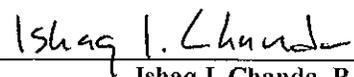


1/3/11

**NOA No 10-1101.05**  
**Expiration Date: October 27, 2015**  
**Approval Date: January 06, 2011**  
 Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

- A. DRAWINGS** (transferred from file # **05-0802.06**)
1. Manufacturer's die drawings and sections.
  2. Drawing No. **Exarc002**, titled "AFT-CAT 5 Fixed Skylight", sheets 1 through 2 of 2, prepared by PTC, LLC, dated 12/09/10, signed and sealed by Robert J. Amoruso, P.E.
- B. TESTS** (transferred from file # **05-0802.06**)
1. Test report on Large Missile Impact Test per TAS 201, Cyclic Wind Pressure Test per TAS 203 and Uniform Static Air Pressure Test per TAS 202 on "Specimen 1, 2, 3, & 4: AFT-CAT 5 Fixed Skylight", prepared by Certified Testing Laboratories, Report No: **CTLA 1391 W-2**, dated 06/10/05, signed and sealed by R. Patel, PE.
- C. CALCULATIONS**
1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by PTC, LLC, dated 10/21/10 and last revised on 12/09/10, signed and sealed by Robert J. Amoruso, P.E.
- D. QUALITY ASSURANCE**
1. Miami Dade Building and Neighborhood Compliance Department (BNC).
- E. MATERIAL CERTIFICATIONS**
1. Notice of Acceptance No. **08-0305.02** issued to SABIC innovative Plastic for their "**Lexan Sheet Products**", expiring on 07/17/13.
- F. STATEMENTS**
1. Statement letter of conformance and letter of no financial interest, prepared by PTC, LLC, dated 10/22/10, signed and sealed by Robert J. Amoruso, P.E.
  2. Statement letter dated Dec 06, 2010 issued by Sabic Polymershapes of acquiring G.E. Polymerland (former G.E. Polymershapes) supported by certificates of merger by State of Delaware and further Bill of Sale by SABIC to Exarc Skylight Inc, signed by Victor Rente (supply Chain manager Sabic polymershapes).
  3. Statement letter dated Oct 13, 2010 issued by Sabic Polymershapes requesting that NOA # 05-0802.01 to be **rescinded** due to **sell** of NOA to Exarc Skylight Inc and that Sabic has sold all rights, machinery and equipments, signed by Victor Rente, Director of operation, Sabic Polymers.
  4. Certificate of merger dated 12-30-03 of GE Polymershapes and GE Polymerland, issued by State of Delaware.
  5. Certificate of amendment dated 09-05-07 of GE Polymerland to Sabic Polymerland, issued by State of Delaware.
  6. Certificate of merger dated 12-31-07 of Sabic Polymerland and Sabic Innovative Plastic, issued by State of Delaware.
  7. Notarized Bill of Sale dated 10-27-09 between Sabic Innovative Plastic(seller) and Exarc Skylights Inc (buyer) signed by Victor Rente and Tariq Amir, respectively.
- G. OTHER**
1. This NOA **revises, renews and replaces** NOA # **05-0802.06** (G.E. Advance Mat'l. Polymers), expired on October 27, 2010.



Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No 10-1101.05  
Expiration Date: October 27, 2015  
Approval Date: January 06, 2011

# EXARC SKYLIGHTS, INC.

## AFT-CAT 5 FIXED SKYLIGHT INSTALLATION ANCHORAGE DETAILS

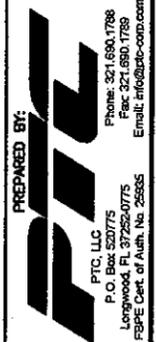
PROJECT #310-1006

REV	DESCRIPTION	DATE	BY
A	PER MIAMI DADE	11/22/10	RJA

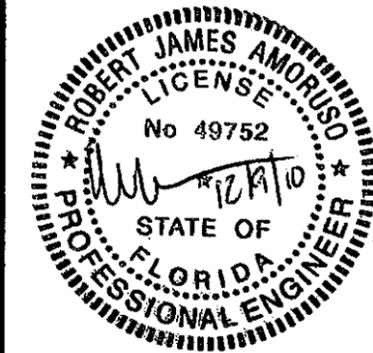
Exarc Skylights, Inc.  
3793-B North Peachtree Road  
Chamblee, GA 30341

TITLE: AFT-CAT 5 FIXED SKYLIGHT  
NOTES, ELEVATION & ANCHOR LAYOUT

DATE:	11/22/10
DRAWING NO.:	EXARC002
SCALE:	N.T.S.
REV:	A
SHEET:	1 OF 2



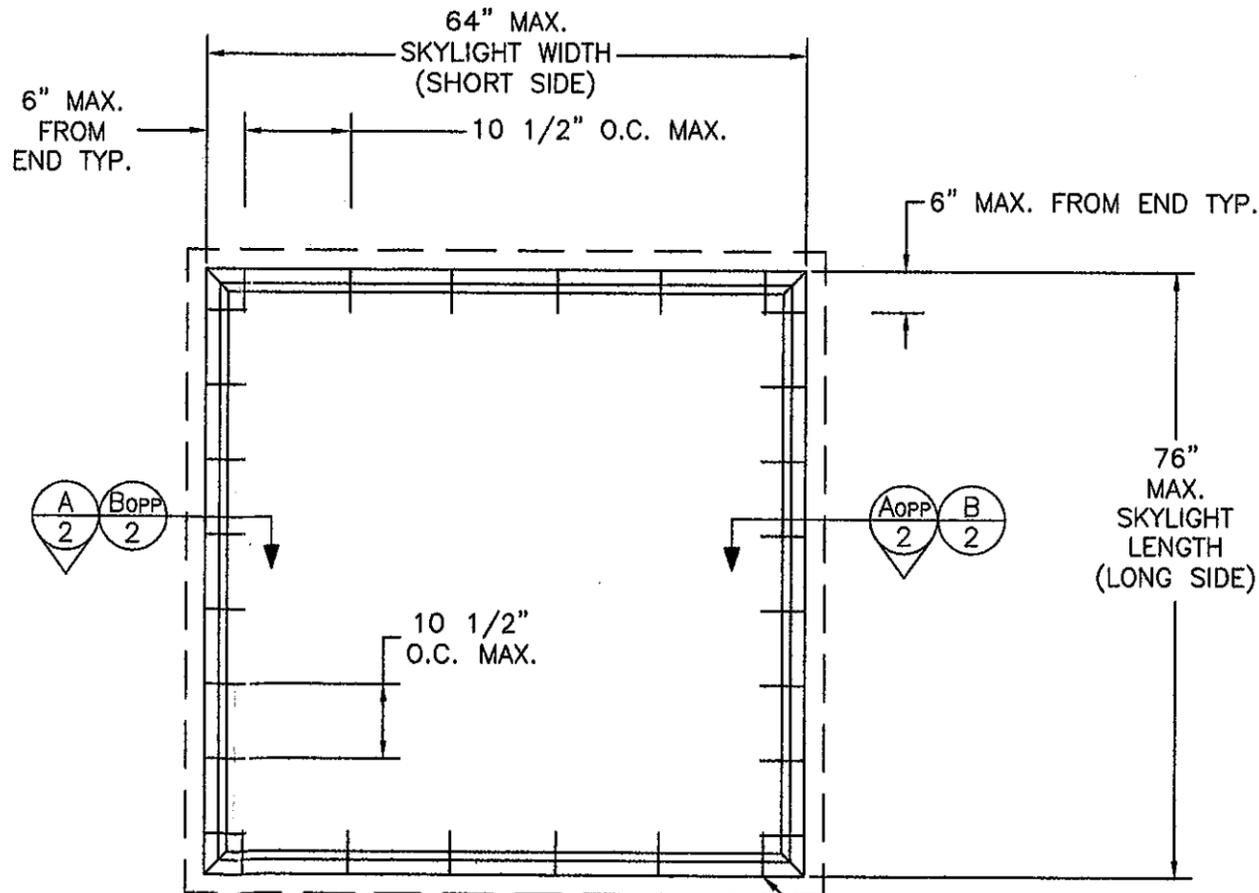
Robert J. Amoruso, P.E.  
Florida P.E. No. 49752



**INSTALLATION NOTES:**

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- FOR INSTALLATION INTO WOOD FRAMING, USE #12 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM EMBEDMENT OF 1 1/2 INCH AND MINIMUM EDGE DISTANCE 7/8 INCH.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS (IF APPLICABLE) AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER OF AS SET FORTH IN NOTE 6 BELOW.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
  - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42.
  - ALUMINUM - 6063-T5

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 10-1101-05  
Expiration Date OCT 27, 2015  
By *Ishag I. Chaurh*  
Miami Dade Product Control  
Division



**TOP VIEW  
(ITEM 8 ANCHOR LAYOUT)**  
EXTERIOR

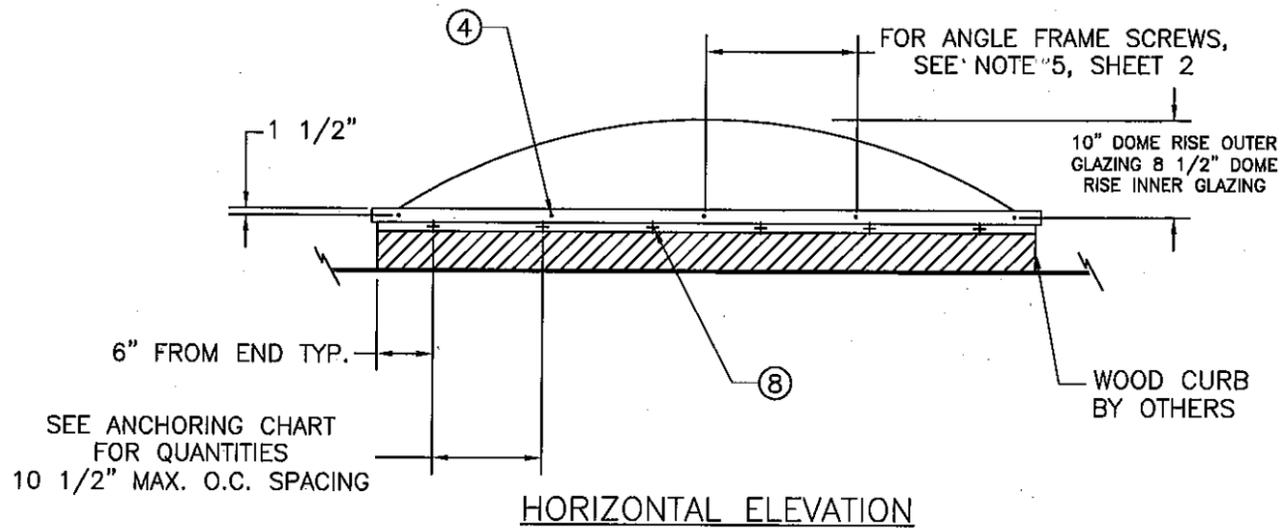
**GENERAL NOTES:**

- THE PRODUCT ANCHORAGE SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE 2007 FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ) REQUIREMENTS AND TESTING PROTOCOLS AT THE DESIGN PRESSURE(S) STATED HEREIN.
- THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT CTLA 1391-W2 DATED 6/10/05, AND ASSOCIATED LABORATORY STAMPED DRAWINGS. THE PRODUCT HAS BEEN EVALUATED FOR CONFORMANCE TO THE STANDARDS LISTED IN THE CURRENT FLORIDA BUILDING CODE (FBC) AND IS IN COMPLIANCE WITH THOSE STANDARDS, INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ) REQUIREMENTS.
- ADEQUACY OF THE EXISTING STRUCTURAL WOOD FRAMING CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE STRUCTURE IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
- SITE CONDITIONS THAT DEVIATE FROM THE DETAILS OF THIS DRAWING REQUIRE THE FOLLOWING:
  - IN NON-HVHZ, FURTHER ENGINEERING ANALYSIS BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT.
  - IN HVHZ, FURTHER ENGINEERING ANALYSIS BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT AND ONE TIME APPROVAL FROM MIAMI-DADE COUNTY IS REQUIRED.
- IN HVHZ AREAS, USE OF AN APPROVED IMPACT PROTECTIVE SYSTEM COMPLYING WITH THE HVHZ REQUIREMENTS OF THE FBC IS NOT REQUIRED FOR THE PRODUCT(S) HEREIN. IN NON-HVHZ AREAS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, USE OF AN IMPACT PROTECTIVE SYSTEM COMPLYING WITH THE FBC REQUIREMENTS FOR WINDBORNE DEBRIS REGIONS IS NOT REQUIRED FOR THE PRODUCT(S) HEREIN.
- PRODUCT MATERIAL REQUIREMENTS:
  - FRAME MATERIAL: 6063-T5 ALUMINUM
  - DOME MATERIAL: LEXAN-XL102UV (N.O.A. 08-0305.02 OR CURRENT NOA.)
- A 1/3 INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THE DESIGN OF THE PRODUCT(S) SHOWN HEREIN.

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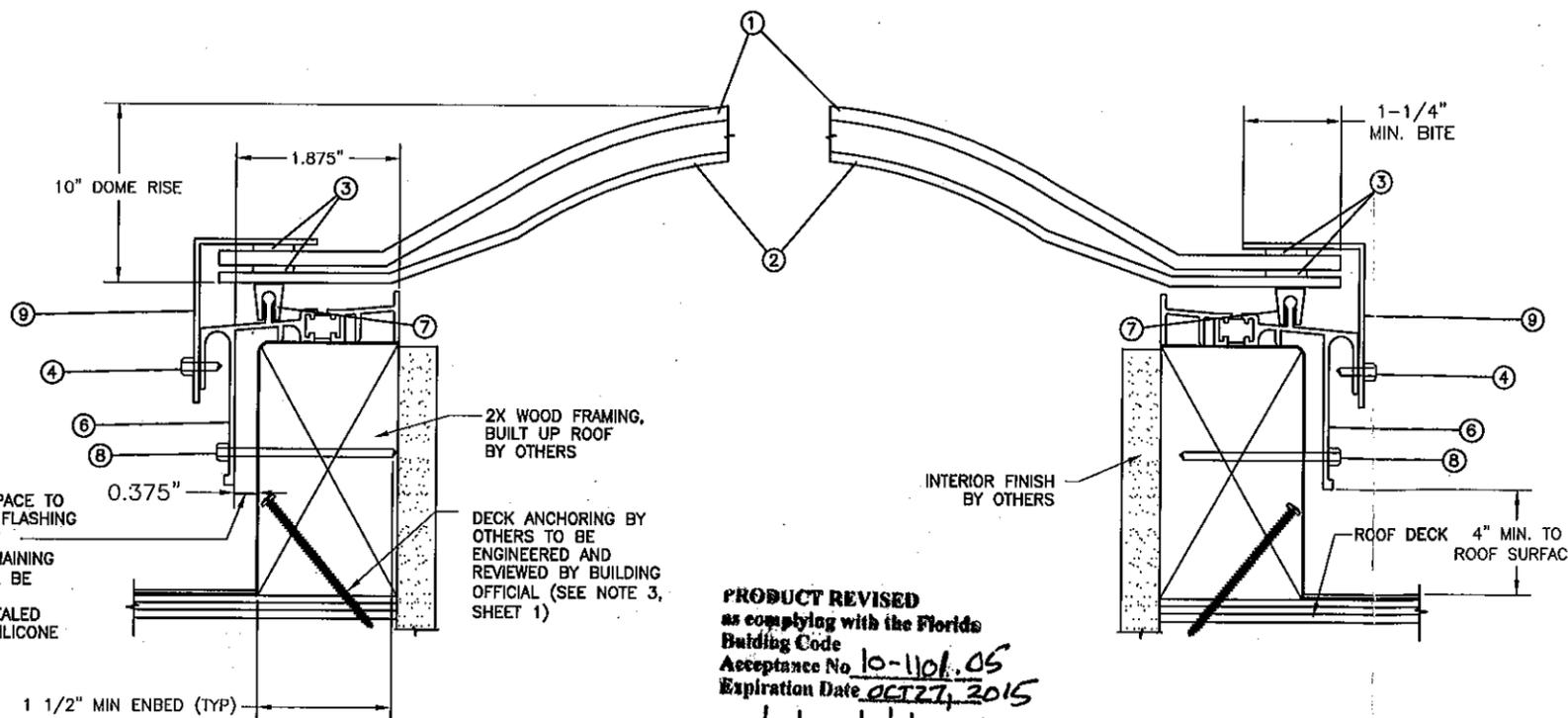
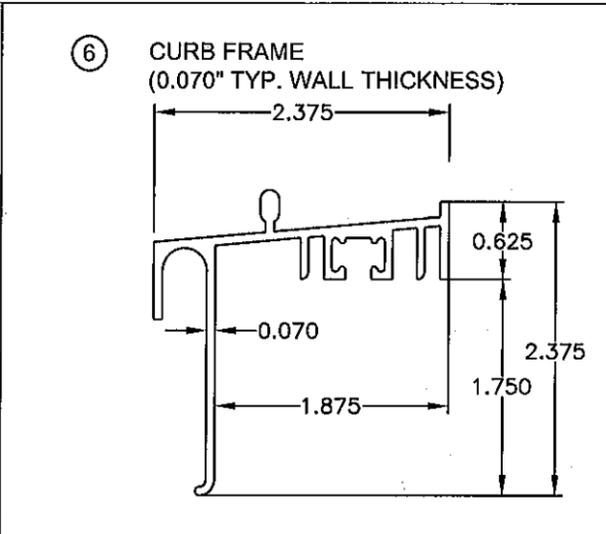
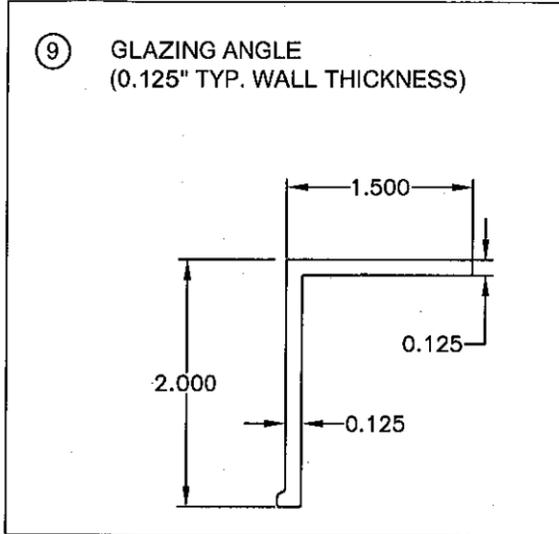
SHEET	REV	SHEET DESCRIPTION
1	--	NOTES, ELEVATION & ANCHOR LAYOUT
2	--	SECTIONS, BOM, COMPONENTS & CHART

DESIGN PRESSURE RATING (PSF)	IMPACT RATING
±70.0 PSF	LARGE MISSLE IMPACT



- NOTES:
- 1) THE ROOF MOUNTING CURB SHALL BE 1 1/2" WIDE MINIMUM (NOMINAL 2").
  - 2) FLASHING REQUIRED.
  - 3) ALL ROOFING DETAILS SHALL COMPLY WITH CHAPTER 15 OF THE FLORIDA BUILDING CODE.
  - 4) 4" MINIMUM DISTANCE FROM ANGLE LIP TO ROOF SURFACE IS FOR SHINGLE OR B.U.R. WITHOUT INSULATION. FOR INSULATION AND TILE ROOF ADD TILE HEIGHT AND INSULATION THICKNESS TO 4" MINIMUM HEIGHT.
  - 5) GLAZING ANGLE (ITEM 9) ATTACHED TO FRAME (ITEM 6) USING #10-24 SCREWS (ITEM 4) AS FOLLOWS:
    - 5.1) ON THE LONG SIDE: SCREWS LOCATED 3 1/2" MAX. FROM CORNERS AND 17 1/4" MAX. O.C.
    - 5.2) ON THE SHORT SIDE: SCREWS LOCATED 3 1/2" MAX. FROM CORNERS AND 14 1/4" MAX. O.C.

BILL OF MATERIALS			
ITEM #	DESCRIPTION	MATERIAL	MANUFACTURER
1	OUTER GLAZING .177" (3/16" NOMINAL) LEXAN XL102UV (NOA 08-0305.02)	POLYCARBONATE	SABIC INNOVATIVE PLASTICS
2	INNER GLAZING .118" (1/8" NOMINAL) LEXAN XL10102UV (NOA 08-0305.02)	POLYCARBONATE	SABIC INNOVATIVE PLASTICS
3	3M 4941 VHB ACRYLIC FOAM TAPE MODEL S-10114	ACRYLIC FOAM	3M
4	#10-24 x 5/8" HEX WASHER HEAD SELF-DRILLING SCREW	STAINLESS STEEL	---
6	CURB FRAME	ALUMINUM 6063-T5	SAPA
7	3/8" X 1/4" 65 DURO SANTOPRENE RUBBER SEAL GASKET	---	---
8	# 12 X PH WOOD SCREW INSTALLATION ANCHOR	STAINLESS STEEL	---
9	GLAZING ANGLE	ALUMINUM 6063-T5	SAPA



TYPICAL CROSS SECTION - A

TYPICAL CROSS SECTION - B

**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No. 10-1101.05  
 Expiration Date OCT 27, 2015  
 By *Iskag I. Khan*  
 Miami Dade Product Control Division

ANCHORING CHART					
SKYLIGHT SIZE		NUMBER OF INSTALLATION SCREWS			
SHORT SIDE WIDTH	LONG SIDE HEIGHT	ANGLE (ITEM 9) TO FRAME (ITEM 6)		FRAME (ITEM 6) TO SUBSTRATE (CURB)	
		SHORT SIDE	LONG SIDE	SHORT SIDE	LONG SIDE
64"	76"	5	5	6	8
60"	76"	5	5	6	8
48"	76"	4	5	5	8
36"	76"	4	5	4	8
24"	76"	3	5	3	8
64"	72"	5	5	6	7
60"	72"	5	5	6	7
48"	72"	4	5	5	7
36"	72"	4	5	4	7
24"	72"	3	5	3	7
64"	66"	5	5	6	7
60"	66"	5	5	6	7
48"	66"	4	5	5	7
36"	66"	4	5	4	7
24"	66"	3	5	3	7
60"	60"	5	5	6	6
48"	60"	4	5	5	6
36"	60"	4	5	4	6
24"	60"	3	5	3	6
48"	48"	4	4	5	5
36"	48"	4	4	4	5
24"	48"	3	4	3	5
36"	36"	4	3	4	4
24"	36"	3	3	3	4
24"	24"	3	2	3	3

PROJECT #310-1006

Exarc Skylights, Inc.  
 3793-B North Peachtree Road  
 Chamblee, GA 30341

TITLE: AFT-CAT 5 FIXED SKYLIGHT SECTIONS, BOM, COMPONENTS & ANCHOR CHART

PREPARED BY: RJA  
 DRAWN BY: RJA  
 SCALE: N.T.S.  
 DATE: 11/22/10  
 DRAWING NO.: EXARC002  
 SHEET: 2 OF 2  
 REV: A

Robert J. Amoruso, P.E.  
 Florida P.E. No. 49752

